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## SEMICONDUCTOR PROCESSING ARTICLE

### ABSTRACT OF THE DISCLOSURE

- 5           A semiconductor processing article is characterized by  
extended useful life. The article is used in a semiconductor furnace  
system, particularly in a low pressure chemical vapor deposition  
furnace for prolonged periods without requiring cleaning to remove  
build-up film. The semiconductor processing article is a quartz body  
characterized by a surface roughness having a first component with an  
10   average deviation from a first mean surface of about 2.5 to 50 microns,  
and a second component with an average deviation from a second  
mean surface of about 0.25 to 5 microns. The processing article is  
prepared for use in the furnace by mechanically blasting and  
chemically etching the surface of the article.